

10/617,992

FILE 'HOME' ENTERED AT 16:50:56 ON 26 NOV 2006

=> file reg			
COST IN U.S. DOLLARS		SINCE FILE	TOTAL
FULL ESTIMATED COST		ENTRY	SESSION
		0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:51:07 ON 26 NOV 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 NOV 2006 HIGHEST RN 913944-64-6  
DICTIONARY FILE UPDATES: 24 NOV 2006 HIGHEST RN 913944-64-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

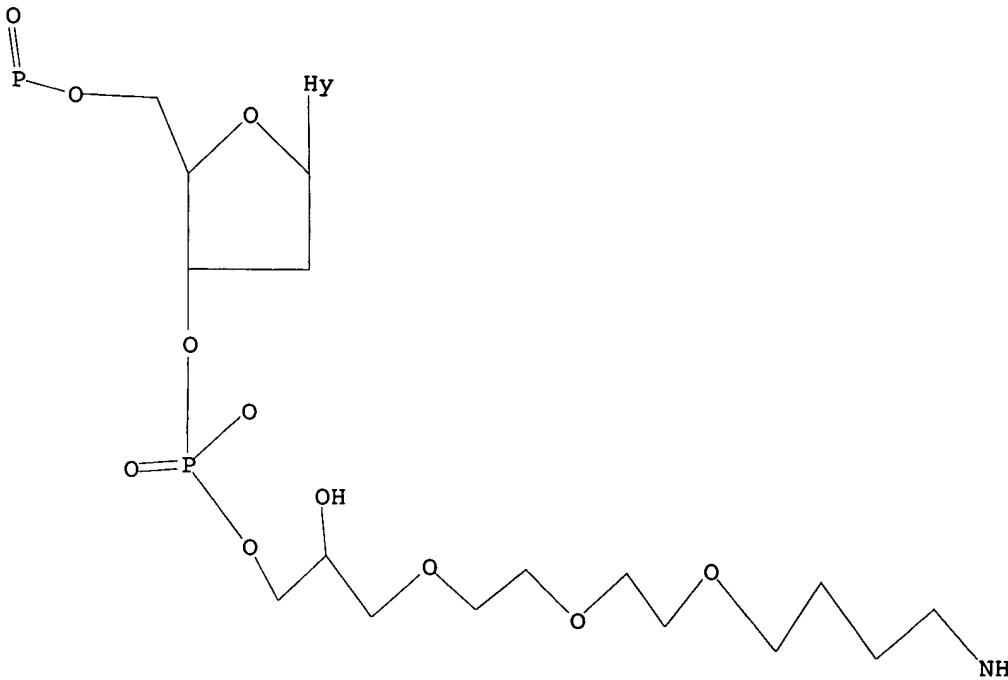
<http://www.cas.org/ONLINE/UG/regprops.html>

\*\*\* YOU HAVE NEW MAIL \*\*\*

=>  
Uploading c:\program files\stnexp\queries\10617992.2str

L1 STRUCTURE UPLOADED

=> d 11  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 full  
 FULL SEARCH INITIATED 16:51:54 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED - 418 TO ITERATE

100.0% PROCESSED 418 ITERATIONS 3 ANSWERS  
 SEARCH TIME: 00.00.01

L2 3 SEA SSS FUL L1

	SINCE FILE ENTRY	TOTAL SESSION
=> file caplus		
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	167.38	167.59

FILE 'CAPLUS' ENTERED AT 16:52:03 ON 26 NOV 2006  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 26 Nov 2006 VOL 145 ISS 23  
 FILE LAST UPDATED: 24 Nov 2006 (20061124/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.

They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 12  
L3 1 L2

=> d 13 bib abs hitstr

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:60698 CAPLUS

DN 140:123644

TI Nucleic acid labeling methods and compounds for use with microarray hybridization

IN Cole, Kyle B.; Truong, Vivi; McGall, Glenn H.; Barone, Anthony D.

PA Affymetrix, Inc., USA

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004007751	A2	20040122	WO 2003-US22035	20030714
	WO 2004007751	A3	20040318		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
	US 2004086914	A1	20040506	US 2003-617992	20030711
	CA 2492212	AA	20040122	CA 2003-2492212	20030714
	AU 2003256537	A1	20040202	AU 2003-256537	20030714
	EP 1540007	A2	20050615	EP 2003-764653	20030714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	US 2002-395580P	P	20020712		
	US 2003-617992	A1	20030711		
	WO 2003-US22035	W	20030714		

OS MARPAT 140:123644

AB In one aspect of the invention, a method is provided for end-labeling RNA (total RNA, mRNA, cRNA or fragmented RNA). In one embodiment, T4 RNA ligase is used to attach a 3'-biotinylated AMP or CMP donor to an RNA acceptor mol. In another embodiment, a pyrophosphate mol.

3'-AppN-3'-linker-biotin is used as donor mol. In another aspect of the invention, a method is provided for analyzing a nucleic acid population on a nucleic acid microarray comprising providing a nucleic acid population or converting the nucleic acid population into nucleic acid fragments; ligating the nucleic acid population or fragments to a labeled nucleic acid mol. to form labeled nucleic acid population or fragments using a ligase; hybridizing the labeled nucleic acid population or fragments to an array of nucleic acid probes, and determining hybridization signals of the probes as an indication of levels of the nucleic acids in the nucleic acid population. The examples disclose the synthesis of 3'-AppC-3'-linker-biotin, and examine the ligation efficiency of several labeling reagents. Optimization of reaction buffers, and end-labeling with multiple biotin compds. are also considered.

IT 648411-12-5 648411-14-7

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); ANST

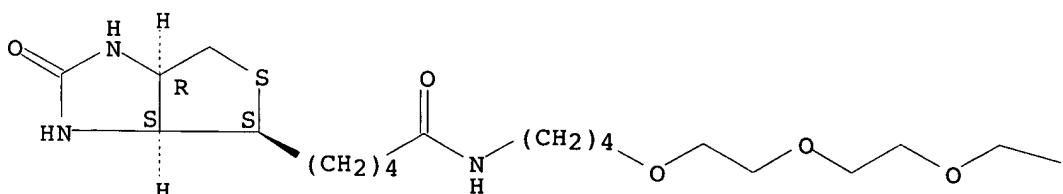
(Analytical study); BIOL (Biological study); USES (Uses)  
(nucleic acid labeling methods and compds., for use with microarray  
hybridization)

RN 648411-12-5 CAPLUS

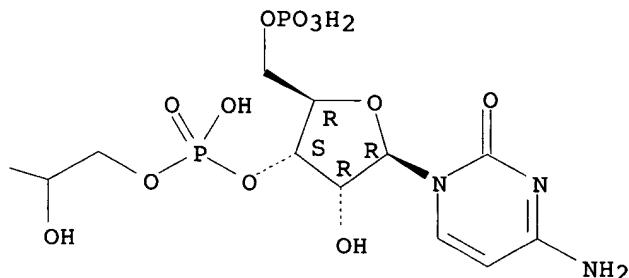
CN 3'-Cytidylic acid, mono[20-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-2-hydroxy-16-oxo-4,7,10-trioxa-15-azaeicos-1-yl] ester,  
5'-(dihydrogen phosphate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

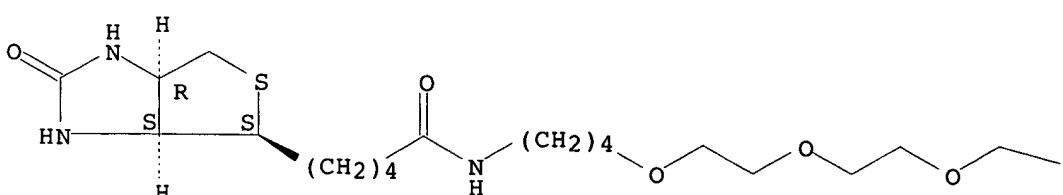


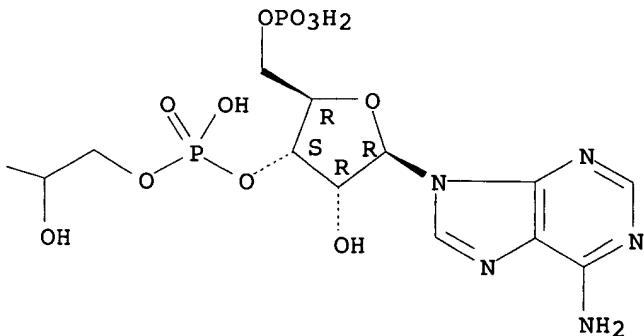
RN 648411-14-7 CAPLUS

CN 3'-Adenylic acid, mono[20-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-2-hydroxy-16-oxo-4,7,10-trioxa-15-azaeicos-1-yl] ester,  
5'-(dihydrogen phosphate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A





IT 648411-21-6P

RL: ARG (Analytical reagent use); BUU (Biological use, unclassified); SPN (Synthetic preparation); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (nucleic acid labeling methods and compds., for use with microarray hybridization)

RN 648411-21-6 CAPLUS

CN Cytidine 5'-(trihydrogen diphosphate), 3'-[20-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-2-hydroxy-16-oxo-4,7,10-trioxa-15-azahexacos-1-yl hydrogen phosphate], P'→5'-ester with adenosine (9CI) (CA INDEX NAME)

Absolute stereochemistry.

